

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
6 May 2004 (06.05.2004)

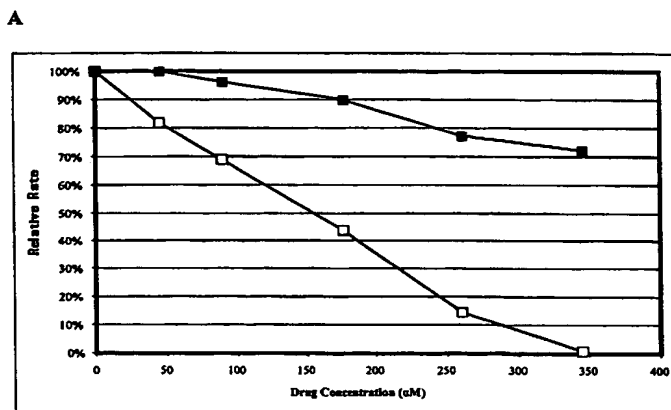
PCT

(10) International Publication Number
WO 2004/037192 A2

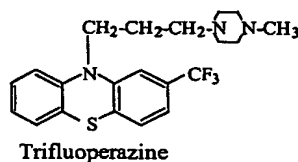
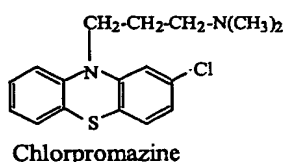
- (51) International Patent Classification⁷: **A61K**
- (21) International Application Number: **PCT/US2003/033524**
- (22) International Filing Date: 22 October 2003 (22.10.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/420,131 22 October 2002 (22.10.2002) US
- (71) Applicant (for all designated States except US): **THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA** [US/US]; Suite 200, 3160 Chestnut Street, Philadelphia, PA 19104-6283 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **AVARBOCK, David, Howard** [US/US]; Apartment 1124, 225 South 18th Street, Philadelphia, PA 19103 (US). **RUBIN, Harvey** [US/US]; 9509 Germantown Avenue, Philadelphia, PA 19118 (US). **AVARBOCK, Andrew, Brian** [US/US]; Apartment 1124, 225 South 18th Street, Philadelphia,
- PA 19103 (US). **WEINSTEIN, Edward** [US/US]; 2121 Naudain Street, Philadelphia, PA 19146 (US).
- (74) Agent: **ATTWELL, Gwilym, J., O.**; Cozen O'Connor, 1900 Market Street, Philadelphia, PA 19103 (US).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— without international search report and to be republished upon receipt of that report

[Continued on next page]

(54) Title: IDENTIFICATION OF ANTIMYCOBACTERIAL TARGETS AND THE INHIBITION THEREOF AS A TREATMENT FOR INFECTIOUS DISEASES



B



(57) Abstract: The present invention relates to methods for treating mycobacteria infections, especially *M. tuberculosis*. The present invention also provides inhibitors and methods of using same to treat and detect mycobacteria infections.



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.